

**Flood Control Project Maintenance
Levee Inspections**

Fall 2010 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

| | | | | | | |
|----------------------------------|--------------------|-----------------|---|-------------|------------------------------------|------|
| NA0010 | Overall LMA Rating | Total LMA Miles | * Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A. | | | |
| Lower San Joaquin Levee District | M * | 197.28 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles | |
| Earthen Levee | | | | | | |
| Vegetation | 0.21 | | 0.21 | 0.11% | | |
| Trim / Thin Trees | 0.01 | | 0.01 | 0.01% | | |
| Encroachments | | 0.01 | 0.04 | 0.02% | 0.55 | 0.01 |
| Animal Control | 0.88 | | 0.88 | 0.45% | | |
| Slope Stability | 0.02 | | 0.02 | 0.01% | | |
| Erosion / Bank Caving | 0.01 | | 0.01 | 0.01% | | |
| Repair Gates | 0.01 | | 0.01 | 0.01% | | |
| Channels | | | | | | |
| Encroachments | 0.02 | | 0.02 | 0.01% | | |
| LMA Totals: | 1.16 | 0.01 | 1.20 | 0.61% * | 0.55 | 0.01 |

| | | | | | | |
|-------------------------------|---------------------|------------------|--------------|-------------|------------------------------------|------|
| Unit No. 01 San Joaquin River | Overall Unit Rating | Total Unit Miles | | | | |
| | A | 22.56 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles | |
| Earthen Levee | | | | | | |
| Encroachments | | | | | 0.55 | |
| Animal Control | 0.06 | | 0.06 | 0.27% | | |
| Unit Totals: | 0.06 | 0.00 | 0.06 | 0.27% | 0.55 | 0.00 |

| | | | | | | |
|--------------------------------|---------------------|------------------|--------------|-------------|------------------------------------|------|
| Unit No. 02A San Joaquin River | Overall Unit Rating | Total Unit Miles | | | | |
| | A | 13.79 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles | |
| Earthen Levee | | | | | | |
| Encroachments | | | | | | 0.01 |
| Unit Totals: | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.01 |

| | | | | | | |
|--------------------------------|---------------------|------------------|--------------|-------------|------------------------------------|------|
| Unit No. 02B San Joaquin River | Overall Unit Rating | Total Unit Miles | | | | |
| | A | 5.92 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles | |
| Earthen Levee | | | | | | |
| Animal Control | 0.01 | | 0.01 | 0.17% | | |
| Unit Totals: | 0.01 | 0.00 | 0.01 | 0.17% | 0.00 | 0.00 |

| | | | | | | |
|-------------------------------|---------------------|------------------|--------------|-------------|------------------------------------|------|
| Unit No. 03 San Joaquin River | Overall Unit Rating | Total Unit Miles | | | | |
| | A | 2.16 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles | |
| Earthen Levee | | | | | | |
| No Items | | | | | | |
| Unit Totals: | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 |

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Levee Inspections**

Fall 2010 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

| | | | | | | |
|---------------------------------------|---------------------|------------------|--------------|-------------|---------------|----------|
| Unit No. 04 San Joaquin River | Overall Unit Rating | Total Unit Miles | | | | |
| | A | 1.58 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| No Items | | | | | PO Miles | CO Miles |
| <i>Unit Totals:</i> | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 |
| Unit No. 05 East Side Bypass | Overall Unit Rating | Total Unit Miles | | | | |
| | A | 34.75 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| | | | | | PO Miles | CO Miles |
| <i>Earthen Levee</i> | | | | | | |
| Trim / Thin Trees | 0.01 | | 0.01 | 0.03% | | |
| Animal Control | 0.09 | | 0.09 | 0.26% | | |
| Repair Gates | 0.01 | | 0.01 | 0.03% | | |
| <i>Unit Totals:</i> | 0.11 | 0.00 | 0.11 | 0.32% | 0.00 | 0.00 |
| Unit No. 06 East Side Bypass | Overall Unit Rating | Total Unit Miles | | | | |
| | A | 36.38 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| | | | | | PO Miles | CO Miles |
| <i>Earthen Levee</i> | | | | | | |
| Animal Control | 0.09 | | 0.09 | 0.25% | | |
| <i>Unit Totals:</i> | 0.09 | 0.00 | 0.09 | 0.25% | 0.00 | 0.00 |
| Unit No. 07 Bear Creek Bypass | Overall Unit Rating | Total Unit Miles | | | | |
| | A | 3.62 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| No Items | | | | | PO Miles | CO Miles |
| <i>Unit Totals:</i> | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 |
| Unit No. 08 Bear Creek Bypass | Overall Unit Rating | Total Unit Miles | | | | |
| | A | 3.63 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| | | | | | PO Miles | CO Miles |
| <i>Earthen Levee</i> | | | | | | |
| Animal Control | 0.17 | | 0.17 | 4.68% | | |
| <i>Unit Totals:</i> | 0.17 | 0.00 | 0.17 | 4.68% | 0.00 | 0.00 |
| Unit No. 09 Owens Creek Bypass | Overall Unit Rating | Total Unit Miles | | | | |
| | A | 0.88 | | | | |
| Rated Item | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments | |
| No Items | | | | | PO Miles | CO Miles |
| <i>Unit Totals:</i> | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 |

**Flood Control Project Maintenance
Levee Inspections**

Fall 2010 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin (cont.)

| Unit No. 17 Chowchilla Canal Bypass | | Overall Unit Rating | Total Unit Miles | | | |
|-------------------------------------|--|---------------------|------------------|--------------|-------------|------------------------------------|
| | | A | 16.09 | | | |
| Rated Item | | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles |
| Earthen Levee | | | | | | |
| Animal Control | | 0.38 | | 0.38 | 2.36% | |
| Unit Totals: | | 0.38 | 0.00 | 0.38 | 2.36% | 0.00 0.00 |

| Unit No. 18 Chowchilla Canal Bypass | | Overall Unit Rating | Total Unit Miles | | | |
|-------------------------------------|--|---------------------|------------------|--------------|-------------|------------------------------------|
| | | A | 15.33 | | | |
| Rated Item | | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles |
| No Items | | | | | | |
| Unit Totals: | | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 0.00 |

| Unit No. 22A East Side Canal | | Overall Unit Rating | Total Unit Miles | | | |
|------------------------------|--|---------------------|------------------|--------------|-------------|------------------------------------|
| | | A | 5.50 | | | |
| Rated Item | | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles |
| Earthen Levee | | | | | | |
| Vegetation | | 0.20 | | 0.20 | 3.64% | |
| Slope Stability | | 0.02 | | 0.02 | 0.36% | |
| Erosion / Bank Caving | | 0.01 | | 0.01 | 0.18% | |
| Channels | | | | | | |
| Encroachments | | 0.02 | | 0.02 | 0.36% | |
| Unit Totals: | | 0.25 | 0.00 | 0.25 | 4.55% | 0.00 0.00 |

| Unit No. 23 San Joaquin River | | Overall Unit Rating | Total Unit Miles | * Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A. | | |
|-------------------------------|--|---------------------|------------------|---|-------------|------------------------------------|
| | | M * | 10.25 | | | |
| Rated Item | | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles |
| Earthen Levee | | | | | | |
| Vegetation | | 0.01 | | 0.01 | 0.10% | |
| Encroachments | | | 0.01 | 0.04 | 0.39% | |
| Animal Control | | 0.04 | | 0.04 | 0.39% | |
| Unit Totals: | | 0.05 | 0.01 | 0.09 | 0.88% * | 0.00 0.00 |

| Unit No. 24 San Joaquin River | | Overall Unit Rating | Total Unit Miles | | | |
|-------------------------------|--|---------------------|------------------|--------------|-------------|------------------------------------|
| | | A | 8.34 | | | |
| Rated Item | | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles |
| Earthen Levee | | | | | | |
| Animal Control | | 0.01 | | 0.01 | 0.12% | |
| Unit Totals: | | 0.01 | 0.00 | 0.01 | 0.12% | 0.00 0.00 |

| Unit No. 25 Salt Slough | | Overall Unit Rating | Total Unit Miles | | | |
|-------------------------|--|---------------------|------------------|--------------|-------------|------------------------------------|
| | | A | 2.47 | | | |
| Rated Item | | M Miles | U Miles | M + 4U Miles | Threshold % | Encroachments PO Miles CO Miles |
| No Items | | | | | | |
| Unit Totals: | | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 0.00 |

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| | Spring (March - May) | Summer ** (June - August) | Fall (September - November) | Winter ** (December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| * Overall LMA Rating (Fall Only) | | | M | |

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|-------------------------------|--|--|-------|------------|
| Unit No. 01 San Joaquin River | | | Right | 22.56 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|--|--|--|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | | | | | | Right | 22.56 | 11/15/2010 11/18/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|-------|---------------|----------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.24 | 0.27 | Earthen Levee | Animal Control | LS | M | Exterminate rodents and backfill and compact or grout burrows. | 37.346152 ° -120.961402 ° | 37.345822 ° -120.961638 ° | 1 |
| 2 | 2.50 | 2.50 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° ° | ° ° | 3 Y |
| 3 | 3.72 | 3.74 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.313892 ° -120.926507 ° | 37.313598 ° -120.926607 ° | 2 Y |
| 4 | 4.00 | 4.08 | Earthen Levee | Encroachments | LS | PO | Agricultural Ditch | 37.310837 ° -120.926182 ° | 37.310003 ° -120.925313 ° | 5 Y |
| 5 | 4.20 | 4.20 | Earthen Levee | Animal Control | LS | M | Exterminate rodents and backfill and compact or grout burrows. | 37.308540 ° -120.924003 ° | 37.308540 ° -120.924003 ° | 6 |
| 6 | 22.09 | 22.56 | Earthen Levee | Encroachments | LS | PO | Agricultural Ditch | 37.169962 ° -120.754240 ° | 37.166983 ° -120.750127 ° | 22 Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Right | 22.56 | 11/15/2010 11/18/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 2.50 |
| End Levee Mile | 2.50 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101122_404.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 2.50 |
| End Levee Mile | 2.50 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101122_405.jpg



| | |
|------------------------|----------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | 3.72 |
| End Levee Mile | 3.74 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Animal Control |

Typical view of squirrel burrows in this section of levee

richard_f_20101122_400.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Right | 22.56 | 11/15/2010 11/18/2010 | Richard Willoughby |

| | |
|------------------------|----------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | 3.72 |
| End Levee Mile | 3.74 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Animal Control |

Looking at typical view of squirrel burrows on landside slope in this section of levee.

richard_f_20101122_403.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 4.00 |
| End Levee Mile | 4.08 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking south at irrigation ditch along landside toe.

richard_f_20101122_401.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 4.00 |
| End Levee Mile | 4.08 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking north at irrigation ditch along landside toe.

richard_f_20101122_402.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 01 San Joaquin River | Right | 22.56 | 11/15/2010 11/18/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 22.09 |
| End Levee Mile | 22.56 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking at landside ditch at levee toe.

richard_f_20100921_017.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 22.09 |
| End Levee Mile | 22.56 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking southeast at ditch along landside toe.

richard_f_20100921_018.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--------------------------------|--|--|------|------------|
| Unit No. 02A San Joaquin River | | | Left | 13.79 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector | |
|--------------------------------|--|--|--|------|------------|--------------------------|--------------------|--|
| Unit No. 02A San Joaquin River | | | | Left | 13.79 | 11/19/2010 11/19/2010 | Richard Willoughby | |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|---------------------------------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.00 | 1.22 | Earthen Levee | Crown Surface / Depressions / Rutting | CR | W | Keep the crown roadway free of vegetation. | ° | ° | 3 |
| | | | | | | | | ° | ° | |
| 2 | 2.34 | 2.34 | Earthen Levee | Encroachments | WS | CO | Ramp Inspector Comments: Need to apply for permit for ramp on waterside | 37.291377 ° -120.850913 ° | 37.291377 ° -120.850913 ° | 1 Y |
| 3 | 3.50 | 3.50 | Earthen Levee | Vegetation | WS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 4 |
| | | | | | | | | ° | ° | Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
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PO : Partially Obstructing
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Levee Inspections**

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Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 02A San Joaquin River | Left | 13.79 | 11/19/2010 11/19/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 2.34 |
| End Levee Mile | 2.34 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking downstream (northeast) at new ramp on waterside slope.

richard_f_20101123_458.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 2.34 |
| End Levee Mile | 2.34 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking downstream (north) at new ramp on waterside slope.

richard_f_20101123_459.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 2.34 |
| End Levee Mile | 2.34 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking east at new ramp on waterside slope.

richard_f_20101123_460.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

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Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 02A San Joaquin River | Left | 13.79 | 11/19/2010 11/19/2010 | Richard Willoughby |

| | |
|---|---------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | 3.50 |
| End Levee Mile | 3.50 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |
| Looking upstream (south) at typical view of levee system. | |
| richard_f_20101123_461.jpg | |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 02B San Joaquin River | | | Left | 5.92 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector | |
|--------------------------------|--|--|--|------|------------|--------------------------|--------------------|--|
| Unit No. 02B San Joaquin River | | | | Left | 5.92 | 11/19/2010 11/19/2010 | Richard Willoughby | |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|-------|---------------|---------------------------------------|------------|-----------|---|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 8.00 | 13.79 | Earthen Levee | Crown Surface / Depressions / Rutting | CR | W | Add appropriate gravel or road base. Grade and compact. | ° | ° | 3 |
| | | | | | | | | ° | ° | |
| 2 | 10.25 | 10.25 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 5 |
| | | | | | | | | ° | ° | Y |
| 3 | 13.46 | 13.50 | Earthen Levee | Trim / Thin Trees | WS | W | Trim trees to at least five feet above ground level. | 37.176420 ° -120.762212 ° | 37.176143 ° -120.761785 ° | 7 |
| 4 | 13.70 | 13.70 | Earthen Levee | Animal Control | LS | M | Exterminate rodents and backfill and compact or grout burrows. | 37.173471 ° -120.761040 ° | 37.173471 ° -120.761040 ° | 12 |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 02B San Joaquin River | Left | 5.92 | 11/19/2010 11/19/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 10.25 |
| End Levee Mile | 10.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101123_462.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 10.25 |
| End Levee Mile | 10.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101123_463.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 03 San Joaquin River | | | Right | 2.16 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|--|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 03 San Joaquin River | | | | Right | 2.16 | 11/18/2010 11/18/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------|-----|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 1.00 | 1.00 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 3 |
| | | | | | | | | ° | ° | Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 03 San Joaquin River | Right | 2.16 | 11/18/2010 11/18/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 1.00 |
| End Levee Mile | 1.00 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101123_448.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 1.00 |
| End Levee Mile | 1.00 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101123_449.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 04 San Joaquin River | | | Left | 1.58 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|--|--|--|------|------------|--------------------------|--------------------|
| Unit No. 04 San Joaquin River | | | | Left | 1.58 | 11/18/2010 11/18/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------|-----|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 1.25 | 1.25 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 3 |
| | | | | | | | | ° | ° | Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
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U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 04 San Joaquin River | Left | 1.58 | 11/18/2010 11/18/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 1.25 |
| End Levee Mile | 1.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101123_450.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 1.25 |
| End Levee Mile | 1.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101123_451.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|------------------------------|--|--|-------|------------|
| Unit No. 05 East Side Bypass | | | Right | 34.75 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|--|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 05 East Side Bypass | | | | Right | 34.75 | 11/15/2010 11/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. Photo |
|---------|------------|-------|---------------|---------------------------------------|------------|-----------|---|------------------------------|------------------------------|--------------------|
| | Start | End | | | | | | Start | End | |
| 1 | 2.81 | 2.81 | Earthen Levee | Trim / Thin Trees | LS | M | Trim trees to at least five feet above ground level. | 37.256803 ° -120.785407 ° | 37.256803 ° -120.785407 ° | 3 |
| 2 | 6.50 | 6.50 | Earthen Levee | Animal Control | WS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.230497 ° -120.727263 ° | 37.230497 ° -120.727263 ° | 15 |
| 3 | 6.58 | 6.58 | Earthen Levee | Repair Gates | CR | M | | 37.229807 ° -120.726538 ° | 37.229807 ° -120.726538 ° | 17 Y |
| 4 | 8.06 | 8.06 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.213600 ° -120.706630 ° | 37.213600 ° -120.706630 ° | 4 |
| 5 | 8.83 | 8.83 | Earthen Levee | Animal Control | WS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.205778 ° -120.696843 ° | 37.205778 ° -120.696843 ° | 5 |
| 6 | 15.50 | 15.50 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° ° | ° ° | 7 Y |
| 7 | 25.49 | 25.54 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.047630 ° -120.488530 ° | 37.047042 ° -120.488092 ° | 9 |
| 8 | 29.80 | 29.80 | Earthen Levee | Crown Surface / Depressions / Rutting | LS | C | Regrade the crown roadway for proper drainage. Inspector Comments: Hole (6"x6") on crown of levee. | 37.017540 ° -120.431955 ° | 37.017540 ° -120.431955 ° | 6 |
| 9 | 29.80 | 29.80 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.017540 ° -120.431955 ° | 37.017540 ° -120.431955 ° | 16 |

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 05 East Side Bypass | Right | 34.75 | 11/15/2010 11/17/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | 6.58 |
| End Levee Mile | 6.58 |
| Location | Crown |
| Category | Earthen Levee |
| Item | Repair Gates |

Looking south at damage gate.

richard_f_20100921_020.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 15.50 |
| End Levee Mile | 15.50 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101122_421.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 15.50 |
| End Levee Mile | 15.50 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101122_422.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 06 East Side Bypass | | | Left | 36.38 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|--|--|--|------|------------|--------------------------|--------------------|
| Unit No. 06 East Side Bypass | | | | Left | 36.38 | 11/17/2010 11/18/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. Photo |
|---------|------------|-------|---------------|---------------------------------------|------------|-----------|---|------------------------------|------------------------------|--------------------|
| | Start | End | | | | | | Start | End | |
| 1 | 4.67 | 4.67 | Earthen Levee | Animal Control | CR | W | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.244012 ° -120.761372 ° | 37.244012 ° -120.761372 ° | 16 Y |
| 2 | 6.12 | 6.12 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.235777 ° -120.738598 ° | 37.235777 ° -120.738598 ° | 22 |
| 3 | 6.15 | 6.15 | Earthen Levee | Animal Control | WS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.235623 ° -120.738017 ° | 37.235623 ° -120.738017 ° | 21 |
| 4 | 14.91 | 17.23 | Earthen Levee | Crown Surface / Depressions / Rutting | LS | W | Keep the crown roadway free of vegetation. | 37.163025 ° -120.630648 ° | 37.141161 ° -120.599867 ° | 4 |
| 5 | 22.90 | 22.96 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.088663 ° -120.538193 ° | 37.087968 ° -120.537485 ° | 8 |
| 6 | 27.00 | 27.00 | Earthen Levee | Vegetation | CR | A | Remove the wild growth other than native grasses from the levee slopes. | ° ° | ° ° | 5 Y |
| 7 | 28.62 | 28.62 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.030102 ° -120.469122 ° | 37.030102 ° -120.469122 ° | 19 |
| 8 | 32.96 | 32.96 | Earthen Levee | Encroachments | LS | C | Pipe Inspector Comments: Temp. pump station with 10-12 inch pipe on landside and waterside of levee. | 36.995979 ° -120.413248 ° | 36.995979 ° -120.413248 ° | 3 |

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 06 East Side Bypass | Left | 36.38 | 11/17/2010 11/18/2010 | Richard Willoughby |

| | |
|------------------------|----------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 4.67 |
| End Levee Mile | 4.67 |
| Location | Crown |
| Category | Earthen Levee |
| Item | Animal Control |

Looking at squirrel hole on crown of levee.

richard_f_20100921_027.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 27.00 |
| End Levee Mile | 27.00 |
| Location | Crown |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101123_446.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 27.00 |
| End Levee Mile | 27.00 |
| Location | Crown |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101123_447.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 07 Bear Creek Bypass | | | Right | 3.62 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|--|--|--|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 07 Bear Creek Bypass | | | | | | Right | 3.62 | 11/15/2010 11/15/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------|-----|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 3.25 | 3.25 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 3 |
| | | | | | | | | ° | ° | Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 07 Bear Creek Bypass | Right | 3.62 | 11/15/2010 11/15/2010 | Richard Willoughby |

| | |
|--|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 3.25 |
| End Levee Mile | 3.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |
| Looking downstream (west) at typical view of levee system. | |
| richard_f_20101122_406.jpg | |



| | |
|---|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 3.25 |
| End Levee Mile | 3.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |
| Looking upstream (east) at typical view of levee system | |
| richard_f_20101122_407.jpg | |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 08 Bear Creek Bypass | | | Left | 3.63 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|--|--|--|--|--|------|------------|--------------------------|--------------------|
| Unit No. 08 Bear Creek Bypass | | | | | | Left | 3.63 | 11/16/2010 11/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|----------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.75 | 0.75 | Earthen Levee | Vegetation | WS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 4 |
| | | | | | | | | ° | ° | Y |
| 2 | 1.42 | 1.42 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.263077 ° -120.751528 ° | 37.263077 ° -120.751528 ° | 2 |
| 3 | 1.61 | 1.61 | Earthen Levee | Animal Control | WS | M | Exterminate rodents and backfill and compact or grout burrows. | 37.261842 ° -120.748510 ° | 37.261842 ° -120.748510 ° | 1 |
| 4 | 2.12 | 2.12 | Earthen Levee | Animal Control | LS | M | Exterminate rodents and backfill and compact or grout burrows. | 37.257688 ° -120.741573 ° | 37.257688 ° -120.741573 ° | 7 |
| 5 | 3.40 | 3.54 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.253052 ° -120.722647 ° | 37.253600 ° -120.720198 ° | 3 |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 08 Bear Creek Bypass | Left | 3.63 | 11/16/2010 11/16/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.75 |
| End Levee Mile | 0.75 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101122_419.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.75 |
| End Levee Mile | 0.75 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101122_420.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 09 Owens Creek Bypass | | | Right | 0.88 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|--|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 09 Owens Creek Bypass | | | | Right | 0.88 | 11/16/2010 11/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------|-----|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.60 | 0.60 | Earthen Levee | Vegetation | WS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 3 |
| | | | | | | | | ° | ° | Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 09 Owens Creek Bypass | Right | 0.88 | 11/16/2010 11/16/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.60 |
| End Levee Mile | 0.60 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101122_423.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.60 |
| End Levee Mile | 0.60 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream of typical view of levee system.

richard_f_20101122_424.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 10 Owens Creek Bypass | | | Left | 0.82 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|--|--|--|------|------------|--------------------------|--------------------|
| Unit No. 10 Owens Creek Bypass | | | | Left | 0.82 | 11/16/2010 11/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------|-----|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.75 | 0.75 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 3 |
| | | | | | | | | ° | ° | Y |

*** Location**

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WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|--------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 10 Owens Creek Bypass | Left | 0.82 | 11/16/2010 11/16/2010 | Richard Willoughby |

| | |
|---|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.75 |
| End Levee Mile | 0.75 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |
| Looking downstream at typical view of levee system. | |
| richard_f_20101122_425.jpg | |



| | |
|---|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.75 |
| End Levee Mile | 0.75 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |
| Looking upstream at typical view of levee system. | |
| richard_f_20101122_426.jpg | |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|-----------------------------|--|--|-------|------------|
| Unit No. 11 Mariposa Bypass | | | Right | 3.31 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|--|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 11 Mariposa Bypass | | | | Right | 3.31 | 11/18/2010 11/18/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------|-----|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 2.00 | 2.00 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 3 |
| | | | | | | | | ° | ° | Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 11 Mariposa Bypass | Right | 3.31 | 11/18/2010 11/18/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 2.00 |
| End Levee Mile | 2.00 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101123_452.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 2.00 |
| End Levee Mile | 2.00 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101123_453.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|-----------------------------|--|--|------|------------|
| Unit No. 12 Mariposa Bypass | | | Left | 3.33 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|--|--|--|--|--|------|------------|--------------------------|--------------------|
| Unit No. 12 Mariposa Bypass | | | | | | Left | 3.33 | 11/18/2010 11/18/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|----------------|------------|-----------|---|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 2.33 | 2.33 | Earthen Levee | Animal Control | LS | M | Exterminate rodents and backfill and compact or grout burrows. | 37.200907 ° -120.712978 ° | 37.200907 ° -120.712978 ° | 1 |
| 2 | 2.33 | 2.33 | Earthen Levee | Animal Control | WS | M | Exterminate rodents and backfill and compact or grout burrows. | 37.200878 ° -120.712965 ° | 37.200878 ° -120.712965 ° | 2 |
| 3 | 2.50 | 2.50 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° ° | ° ° | 5 Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-----------------------------|------|------------|--------------------------|--------------------|
| Unit No. 12 Mariposa Bypass | Left | 3.33 | 11/18/2010 11/18/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | 2.50 |
| End Levee Mile | 2.50 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101123_454.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 3 |
| Start Levee Mile | 2.50 |
| End Levee Mile | 2.50 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101123_455.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|------------------------|--|--|-------|------------|
| Unit No. 13 Ash Slough | | | Right | 1.28 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|--|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 13 Ash Slough | | | | Right | 1.28 | 11/16/2010 11/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|----------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.14 | 0.14 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 37.035697 ° -120.441197 ° | 37.035697 ° -120.441197 ° | 3 |
| 2 | 1.00 | 1.00 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° ° | ° ° | 4 Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 13 Ash Slough | Right | 1.28 | 11/16/2010 11/16/2010 | Richard Willoughby |

| | |
|---|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 1.00 |
| End Levee Mile | 1.00 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |
| Looking downstream at typical view of levee system. | |
| richard_f_20101122_427.jpg | |



| | |
|---|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 1.00 |
| End Levee Mile | 1.00 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |
| Looking upstream at typical view of levee system. | |
| richard_f_20101122_428.jpg | |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 14 Ash Slough | | | Left | 1.28 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

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Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|--|--|--|------|------------|--------------------------|--------------------|
| Unit No. 14 Ash Slough | | | | Left | 1.28 | 11/16/2010 11/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------|-----|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 1.00 | 1.00 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 3 |
| | | | | | | | | ° | ° | Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------|------|------------|--------------------------|--------------------|
| Unit No. 14 Ash Slough | Left | 1.28 | 11/16/2010 11/16/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 1.00 |
| End Levee Mile | 1.00 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101122_429.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 1.00 |
| End Levee Mile | 1.00 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream of typical view of levee system.

richard_f_20101122_430.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|----------------------------|--|--|-------|------------|
| Unit No. 15 Berenda Slough | | | Right | 2.03 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|--|--|--|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 15 Berenda Slough | | | | | | Right | 2.03 | 11/17/2010 11/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------|-----|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.50 | 0.50 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 3 |
| | | | | | | | | ° | ° | Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 15 Berenda Slough | Right | 2.03 | 11/17/2010 11/17/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.50 |
| End Levee Mile | 0.50 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101122_431.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.50 |
| End Levee Mile | 0.50 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101122_432.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|----------------------------|--|--|------|------------|
| Unit No. 16 Berenda Slough | | | Left | 1.98 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|--|--|--|--|--|------|------------|--------------------------|--------------------|
| Unit No. 16 Berenda Slough | | | | | | Left | 1.98 | 11/17/2010 11/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|------------|------------|-----------|---|------------------------|-----|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 1.25 | 1.25 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 3 |
| | | | | | | | | ° | ° | Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|--------------------|
| Unit No. 16 Berenda Slough | Left | 1.98 | 11/17/2010 11/17/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 1.25 |
| End Levee Mile | 1.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101122_433.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 1.25 |
| End Levee Mile | 1.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101122_434.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 17 Chowchilla Canal Bypass | | | Right | 16.09 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|--|--|--|--|--|-------|------------|--------------------------|--------------------|
| Unit No. 17 Chowchilla Canal Bypass | | | | | | Right | 16.09 | 11/17/2010 11/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|-------|---------------|----------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 6.51 | 6.60 | Earthen Levee | Animal Control | LS | M | Exterminate rodents and backfill and compact or grout burrows. | 36.898124 ° -120.326714 ° | 36.896943 ° -120.326133 ° | 4 |
| 2 | 7.27 | 7.39 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 36.887869 ° -120.321697 ° | 36.886341 ° -120.320940 ° | 5 |
| 3 | 8.11 | 8.28 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 36.876132 ° -120.317926 ° | 36.873749 ° -120.317465 ° | 6 |
| 4 | 12.25 | 12.25 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° ° | ° ° | 3 Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 17 Chowchilla Canal Bypass | Right | 16.09 | 11/17/2010 11/17/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 12.25 |
| End Levee Mile | 12.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101122_435.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 12.25 |
| End Levee Mile | 12.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101122_436.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 18 Chowchilla Canal Bypass | | | Left | 15.33 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|--|--|--|------|------------|--------------------------|--------------------|
| Unit No. 18 Chowchilla Canal Bypass | | | | Left | 15.33 | 11/17/2010 11/17/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|-------|---------------|------------|------------|-----------|---|------------------------|-----|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 14.35 | 14.35 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 3 |
| | | | | | | | | ° | ° | Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 18 Chowchilla Canal Bypass | Left | 15.33 | 11/17/2010 11/17/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 14.35 |
| End Levee Mile | 14.35 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101123_444.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 14.35 |
| End Levee Mile | 14.35 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101123_445.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|------------------------------|--|--|------|------------|
| Unit No. 22A East Side Canal | | | Left | 5.50 |

| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|--|--|--|------|------------|--------------------------|--------------------|
| Unit No. 22A East Side Canal | | | | Left | 5.50 | 11/16/2010 11/16/2010 | Richard Willoughby |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|---------------------------------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.10 | 0.10 | Earthen Levee | Erosion / Bank Caving | WS | M | Note and monitor erosion site. Inspector Comments: Erosion located next to screw gate. | 37.206985 ° -120.696225 ° | 37.206985 ° -120.696225 ° | 7 Y |
| 2 | 0.68 | 0.88 | Earthen Levee | Vegetation | LS | M | Remove the wild growth other than native grasses from the levee slopes. | 37.215360 ° -120.698078 ° | 37.218128 ° -120.697457 ° | 8 |
| 3 | 0.99 | 0.99 | Earthen Levee | Crown Surface / Depressions / Rutting | LS | C | Add appropriate gravel or road base. Grade and compact. Inspector Comments: Hole on crown of levee next weir crossing. | 37.219590 ° -120.698000 ° | 37.219590 ° -120.698000 ° | 5 |
| 4 | 3.44 | 3.44 | Earthen Levee | Slope Stability | WS | M | Repair the levee slope damaged by foot traffic and prevent access where possible. | 37.251372 ° -120.715320 ° | 37.251372 ° -120.715320 ° | 2 |
| 5 | 3.65 | 3.65 | Earthen Levee | Slope Stability | WS | M | Repair the levee slope damaged by foot traffic and prevent access where possible. Inspector Comments: There're several slope stability along this channel cause by animal foot traffic that need to be monitored. | 37.253465 ° -120.717952 ° | 37.253465 ° -120.717952 ° | 1 Y |
| 6 | 3.85 | 3.85 | Channels | Encroachments | WS | M | Inspector Comments: Stevenson Irrigation District constructed a concrete weir across channel without a permit. Still waiting for permit. | 37.255568 ° -120.720551 ° | 37.255568 ° -120.720551 ° | 4 Y |
| 7 | 4.68 | 4.68 | Channels | Encroachments | WS | M | Inspector Comments: Old wooden bridge in channel should be removed. | 37.264250 ° -120.731280 ° | 37.264250 ° -120.731280 ° | 3 Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 22A East Side Canal | Left | 5.50 | 11/16/2010 11/16/2010 | Richard Willoughby |

| | |
|---|-----------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.10 |
| End Levee Mile | 0.10 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |
| Looking downstream at erosion around screw gate can on waterside slope. | |
| richard_f_20101122_416.jpg | |



| | |
|--|-----------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.10 |
| End Levee Mile | 0.10 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |
| Looking upstream at erosion around screw gate can. | |
| richard_f_20101122_417.jpg | |



| | |
|--|-----------------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 0.10 |
| End Levee Mile | 0.10 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Erosion / Bank Caving |
| Looking at erosion near and around screw gate can. | |
| richard_f_20101122_418.jpg | |



| | | | |
|--|--|--|------------------------------------|
| * Location LS : Land Side WS : Water Side CR : Crown | ** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable | PO : Partially Obstructing CO : Completely Obstructing N : Not Inspected/Rated | C : Corrected W : Watch/Monitor |
|--|--|--|------------------------------------|

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 22A East Side Canal | Left | 5.50 | 11/16/2010 11/16/2010 | Richard Willoughby |

| | |
|------------------------|-----------------|
| Levee Mile Report Line | 5 |
| Start Levee Mile | 3.65 |
| End Levee Mile | 3.65 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Slope Stability |

Looking upstream at one of several slope stability along canal.

richard_f_20101122_414.jpg



| | |
|------------------------|-----------------|
| Levee Mile Report Line | 5 |
| Start Levee Mile | 3.65 |
| End Levee Mile | 3.65 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Slope Stability |

Looking at one of several slope stability along canal.

richard_f_20101122_415.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 3.85 |
| End Levee Mile | 3.85 |
| Location | Water Side |
| Category | Channels |
| Item | Encroachments |

Looking northeast at weir in channel.

richard_f_20101122_411.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 22A East Side Canal | Left | 5.50 | 11/16/2010 11/16/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 3.85 |
| End Levee Mile | 3.85 |
| Location | Water Side |
| Category | Channels |
| Item | Encroachments |

Looking at upstream side of weir.

richard_f_20101122_412.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 6 |
| Start Levee Mile | 3.85 |
| End Levee Mile | 3.85 |
| Location | Water Side |
| Category | Channels |
| Item | Encroachments |

Looking north at weir.

richard_f_20101122_413.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 7 |
| Start Levee Mile | 4.68 |
| End Levee Mile | 4.68 |
| Location | Water Side |
| Category | Channels |
| Item | Encroachments |

Looking downstream at dilapidated bridge in channel.

richard_f_20101122_408.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 22A East Side Canal | Left | 5.50 | 11/16/2010 11/16/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 7 |
| Start Levee Mile | 4.68 |
| End Levee Mile | 4.68 |
| Location | Water Side |
| Category | Channels |
| Item | Encroachments |

Looking southeast at dilapidated bridge in channel.

richard_f_20101122_409.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 7 |
| Start Levee Mile | 4.68 |
| End Levee Mile | 4.68 |
| Location | Water Side |
| Category | Channels |
| Item | Encroachments |

Looking northeast at dilapidated bridge in channel.

richard_f_20101122_410.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 23 San Joaquin River | | | Right | 10.25 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | M | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector | |
|-------------------------------|--|--|--|-------|------------|--------------------------|--------------------|--|
| Unit No. 23 San Joaquin River | | | | Right | 10.25 | 11/17/2010 11/17/2010 | Richard Willoughby | |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|----------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 3.30 | 3.30 | Earthen Levee | Vegetation | LS | M | Elderberries are blocking visibility and flood fight capability. | 36.774403 ° -120.234705 ° | 36.774403 ° -120.234705 ° | 3 |
| 2 | 5.19 | 5.19 | Earthen Levee | Encroachments | WS | U | Material Inspector Comments: Sand pile in levee channel over three feet high. Pile is too close to levee. | 36.791373 ° -120.214972 ° | 36.791373 ° -120.214972 ° | 7 Y |
| 3 | 5.68 | 5.72 | Earthen Levee | Animal Control | WS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 36.792012 ° -120.206270 ° | 36.791857 ° -120.205685 ° | 5 |
| 4 | 6.75 | 6.75 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° ° | ° ° | 1 Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 23 San Joaquin River | Right | 10.25 | 11/17/2010 11/17/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 5.19 |
| End Levee Mile | 5.19 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking upstream (south) at sand pile within 100' of waterside levee toe.

richard_f_20101122_437.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 5.19 |
| End Levee Mile | 5.19 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking southwest at sand pile within 100' of waterside levee toe.

richard_f_20101122_438.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 5.19 |
| End Levee Mile | 5.19 |
| Location | Water Side |
| Category | Earthen Levee |
| Item | Encroachments |

Looking downstream (north) at sandpile within 100' of waterside levee toe.

richard_f_20101122_439.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 23 San Joaquin River | Right | 10.25 | 11/17/2010 11/17/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 6.75 |
| End Levee Mile | 6.75 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101122_440.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 4 |
| Start Levee Mile | 6.75 |
| End Levee Mile | 6.75 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101122_441.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2010 Levee Inspection Results

Lower San Joaquin Levee District

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 24 San Joaquin River | | | Left | 8.34 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector | |
|-------------------------------|--|--|--|------|------------|--------------------------|--------------------|--|
| Unit No. 24 San Joaquin River | | | | Left | 8.34 | 11/17/2010 11/17/2010 | Richard Willoughby | |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|----------------|------------|-----------|--|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 2.25 | 2.25 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° | ° | 1 |
| | | | | | | | | ° | ° | Y |
| 2 | 3.46 | 3.46 | Earthen Levee | Animal Control | LS | M | No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. | 36.769345 ° -120.238370 ° | 36.769345 ° -120.238370 ° | 7 |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------------|------|------------|--------------------------|--------------------|
| Unit No. 24 San Joaquin River | Left | 8.34 | 11/17/2010 11/17/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 2.25 |
| End Levee Mile | 2.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101123_442.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 1 |
| Start Levee Mile | 2.25 |
| End Levee Mile | 2.25 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101123_443.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated

**Flood Control Project Maintenance
Levee Inspections
Unit Cover Sheet
Fall 2010 Levee Inspection Results
Lower San Joaquin Levee District**

| Waterway | | | Bank | Unit Miles |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 25 Salt Slough | | | Right | 2.47 |
| | Spring (March - May) | Summer (June - August) | (September - November) Fall | Winter (December - February) |
| Unit Maintenance Rating (Fall Only) | | | A | |
| Date of Inspection | 5/5/2010 | | 9/21/2010 | |
| DWR Inspector | Richard Willoughby | | Richard Willoughby | |
| Accompanied By | | | | |

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | | | | Bank | Unit Miles | Inspection Start/End | Inspector | |
|-------------------------|--|--|--|-------|------------|--------------------------|--------------------|--|
| Unit No. 25 Salt Slough | | | | Right | 2.47 | 11/19/2010 11/19/2010 | Richard Willoughby | |

| LMR No. | Levee Mile | | Category | Item | * Location | ** Rating | Action/Comment | GPS Latitude/Longitude | | Issue No. |
|---------|------------|------|---------------|---------------------------------------|------------|-----------|---|------------------------------|------------------------------|-----------|
| | Start | End | | | | | | Start | End | Photo |
| 1 | 0.27 | 1.77 | Earthen Levee | Crown Surface / Depressions / Rutting | CR | W | Keep the crown roadway free of vegetation. | 37.292165 ° -120.880693 ° | 37.271175 ° -120.866618 ° | 1 |
| 2 | 1.35 | 1.35 | Earthen Levee | Vegetation | LS | A | Remove the wild growth other than native grasses from the levee slopes. | ° ° | ° ° | 4 Y |

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2010

Lower San Joaquin Levee District

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|-------------------------|-------|------------|--------------------------|--------------------|
| Unit No. 25 Salt Slough | Right | 2.47 | 11/19/2010 11/19/2010 | Richard Willoughby |

| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 1.35 |
| End Levee Mile | 1.35 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking upstream at typical view of levee system.

richard_f_20101123_456.jpg



| | |
|------------------------|---------------|
| Levee Mile Report Line | 2 |
| Start Levee Mile | 1.35 |
| End Levee Mile | 1.35 |
| Location | Land Side |
| Category | Earthen Levee |
| Item | Vegetation |

Looking downstream at typical view of levee system.

richard_f_20101123_457.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected/Rated